

Title (en)

PROCESS FOR LAMINATING THIN GLASS LAMINATES

Title (de)

VERFAHREN ZUR HERSTELLUNG DÜNNER GLASLAMINATE

Title (fr)

PROCÉDÉ POUR STRATIFIER DES STRATIFIÉS DE VERRE MINCES

Publication

EP 2858822 A1 20150415 (EN)

Application

EP 13729888 A 20130606

Priority

- US 201261657272 P 20120608
- US 2013044493 W 20130606

Abstract (en)

[origin: WO2013184904A1] A process using a vacuum ring or vacuum bag to produce glass laminates with improved optical distortion and shape consistency using thin glass having a thickness not exceeding 1.0 by using a soak temperatures not exceeding 120° C or not exceeding 100° C and a vacuum not exceed about -0.6 bar. One or more assembled stacks of two glass sheets and a polymer interlayer being laminated may be stacked on a single reference mold and processed simultaneously in a single vacuum bag or vacuum ring. One more thin glass sheets may be placed on top the assembled stack(s) on the reference mold to protect the assembled stack from irregular forces applied by the vacuum bag or the vacuum ring.

IPC 8 full level

B32B 17/10 (2006.01); **C03C 27/12** (2006.01)

CPC (source: EP US)

B32B 17/10036 (2013.01 - EP US); **B32B 17/10137** (2013.01 - EP US); **B32B 17/10743** (2013.01 - EP US); **B32B 17/10761** (2013.01 - EP US); **B32B 17/1077** (2013.01 - EP US); **B32B 17/10788** (2013.01 - EP US); **B32B 17/10853** (2013.01 - EP US); **B32B 17/1088** (2013.01 - EP US); **B32B 17/10889** (2013.01 - EP US); **B32B 17/10972** (2013.01 - EP US); **B32B 37/06** (2013.01 - US); **B32B 37/1018** (2013.01 - US); **B32B 37/182** (2013.01 - US); **C03B 23/0357** (2013.01 - US); **C03C 27/10** (2013.01 - US); **B32B 2250/03** (2013.01 - US); **B32B 2250/40** (2013.01 - US); **B32B 2307/10** (2013.01 - US); **B32B 2309/02** (2013.01 - US); **B32B 2309/12** (2013.01 - US); **B32B 2309/68** (2013.01 - US); **B32B 2315/08** (2013.01 - US); **B32B 2329/06** (2013.01 - US); **B32B 2331/04** (2013.01 - US); **B32B 2375/00** (2013.01 - US); **Y10T 156/1044** (2015.01 - EP US)

Citation (search report)

See references of WO 2013184904A1

Citation (examination)

WO 2013004473 A1 20130110 - AGC GLASS EUROPE [BE], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2013184904 A1 20131212; EP 2858822 A1 20150415; JP 2015521575 A 20150730; JP 2016175835 A 20161006; JP 5981647 B2 20160831; US 2015122406 A1 20150507

DOCDB simple family (application)

US 2013044493 W 20130606; EP 13729888 A 20130606; JP 2015516206 A 20130606; JP 2016082743 A 20160418; US 201314405668 A 20130606